

**EXHIBIT U – 1041 APPLICATION SECTIONS**

1041 PERMIT APPLICATION SUBMITTAL  
FOR  
TOWN OF RAMAH WASTEWATER SYSTEM  
SEWER LIFT STATION  
&  
WASTEWATER TREATMENT PLANT

JULY 2022

**AMENDED OCTOBER 2022**

EE Job No.: 0043.0001

**TABLE OF CONTENTS**

<b>RESPONSES TO CHAPTER 2, ARTICLE 3 PARAGRAPH 2.303 – SUBMISSION REQUIREMENTS OF THE COUNTY GUIDELINES.....</b>	<b>1</b>
Section 2.303 (1) Completed Application Form.....	1
Section 2.303 (2) Additional Required Information.....	1
Section 2.303 (3) Mineral Rights .....	1
Section 2.303 (4) Information Describing the Applicant .....	1
Section 2.303 (5) Information Describing the Project .....	3
Section 2.303 (6) Property Rights, Other Permits, and Approvals.....	8
Section 2.303 (7) Land Use.....	9
Section 2.303 (8) Surface and Subsurface Drainage Analysis .....	21
Section 2.303 (9) Financial Feasibility of the Project.....	21
Section 2.303 (10) Local Infrastructure and Services Impacts.....	22
Section 2.303 (11) Recreation Opportunities .....	23
Section 2.303 (12) Areas of Paleontological, Historic or Archeological Importance.....	23
Section 2.303 (13) Nuisance.....	24
Section 2.303 (14) Air Quality.....	25
Section 2.303 (15) Visual Quality.....	26
Section 2.303 (16) Surface Water Quality .....	26
Section 2.303 (17) Groundwater Quality.....	27
Section 2.303 (18) Water Quality .....	29
Section 2.303 (19) Floodplains, Wetlands, Riparian Areas, Terrestrial and Aquatic Animals, Plant Life and Habitat.....	29
Section 2.303 (20) Soils, Geologic Conditions and Natural Hazards .....	32
Section 2.303 (21) Hazardous Materials.....	35
Section 2.303 (22) Monitoring and Mitigation Plan .....	36
Section 2.303 (23) Additional Information .....	37
<b>RESPONSE TO CHAPTER 3, ARTICLE 2, OF THE COUNTY GUIDELINES.....</b>	<b>38</b>
Section 3.201 (1) Agency Review .....	38
<b>RESPONSE TO CHAPTER 4, ARTICLE 2, OF THE COUNTY GUIDELINES.....</b>	<b>42</b>
Section 4.201 (1) Agency Review .....	42
Section 4.201 (2) Scope of Proposal.....	42
Section 4.201 (3) Demonstration of Need.....	44
Section 4.201 (4) Water Usage.....	45
Section 4.201 (5) Loss of Agricultural Productivity.....	46

Section 4.201 (6) Financial Impact .....	47
<b>RESPONSE TO CHAPTER 6, ARTICLE 2, OF THE COUNTY GUIDELINES .....</b>	<b>49</b>
Section 6.201 (1) Application Requirements .....	49
Section 6.202 (1) Map Requirements.....	50

**EXHIBITS**

Exhibit A:	Financial Plan Summary
Exhibit B:	Application Form
Exhibit C:	Severed Mineral Interests
Exhibit D:	Report Writers Resumes
Exhibit E:	Vicinity Map
Exhibit F:	Town of Ramah Agreement to Accept Flows
Exhibit G:	Draft Design Specifications
Exhibit H:	Project Drawings
Exhibit I:	22.6 and 22.9 Site Applications
Exhibit J:	Property Information
Exhibit K:	Land Use Map
Exhibit L:	School and Fire District Map
Exhibit M:	NRCS Soil Survey
Exhibit N:	Drainage Plan Memo
Exhibit O:	Geotechnical Evaluation Report
Exhibit P:	1-mile Radius Wells Map
Exhibit Q:	FEMA FIRM Map
Exhibit R:	Wetlands Map
Exhibit S:	IPAC Resource List
Exhibit T:	USGS Topo Map
Exhibit U:	1041 Permit Responses (See sections 2.303 – 6.202 of this document)
Exhibit V:	Proposed Use Site Map
Exhibit W:	Legal Description
Exhibit X:	Wetland Impact Letter
Exhibit Y:	Traffic Summary
Exhibit Z:	Work in Right of Way Permit Application (to be included with the Site Development Plan)

Exhibit AA:	Adjacent Property Owner Notification (Includes letter and certified mailing receipts)
Exhibit BB:	Neighboring Water System Vicinity Map
Exhibit CC:	Proposed Facilities Setback Distances
Exhibit DD:	Town of Ramah Platt Map with Floodplain Boundaries
Exhibit EE:	El Paso County Mineral Master Plan Resource Evaluation Map
Exhibit FF:	El Paso County Wildfire Risk & Burn Probability Map
Exhibit GG:	Temporary Laydown & Storage Area Exhibits
Exhibit HH:	El Paso County Transportation Master Plan _ Pedestrian Corridors Network
Exhibit II:	El Paso County Transportation Master Plan _ Corridor Preservation Plan
Exhibit JJ:	El Paso County Transportation Master Plan _ Truck Routes Map
Exhibit KK:	Colorado Seismic Hazard Map
Exhibit LL:	Pikes Peak Region Watersheds Map
Exhibit MM:	Historical Review & Correspondence
Exhibit NN:	Big Sandy Creek Watershed & Hydrology Maps

## RESPONSE TO CHAPTER 6, ARTICLE 2, OF THE COUNTY GUIDELINES

The following sections are in response to Chapter 6, Article 2, Paragraph 6.201 of the County Guidelines as the Project relates to activity and development within the floodplain natural hazard area in unincorporated El Paso County as outlined in Paragraph 6.201 of the guidelines.

### SECTION 6.201 (1) APPLICATION REQUIREMENTS

**6.201 (1):** *A complete application form.*

**6.201 (2):** *A plan certified by a professional engineer, registered in the state of Colorado, locating the proposed development with respect to the following:*

**6.201 2a):** *The boundaries of the designated or regulated floodplain natural hazard area.*

The boundaries of the regulated floodplain can be seen in the Site Application in Exhibit I or Exhibit Q.

**6.201 (2b):** *Descriptions of any construction activity which would affect the hydraulic capacity of the floodplain.*

The proposed project includes work inside the 100-year flood zone for the decommissioning and demolition of the existing wastewater treatment lagoon. No alterations to the floodplain are anticipated from the lagoon decommissioning as the restoration plan is to include the removal of all existing biosolids from the lagoon and the area of the lagoon is to be restored to match the existing grade around it so that the topography of the floodplain is restored to its natural condition to the best extent possible. All Best Management Practices for erosion and sediment control will be strictly followed. No impacts to the hydraulic capacity of the surrounding floodplain are anticipated as a result of the existing wastewater lagoon decommissioning.

The office for the Pikes Peak Regional Building Department Floodplain management has been contacted in regard to the proposed project and work within the existing floodplain. The office was requested to review the proposed project construction plans to confirm if there will be additional permitting required for the work to decommission the existing, unpermitted wastewater lagoon.

**6.201 (2c):** *Section 404 of the Federal Clean Water Act permit, if applicable.*

**6.201 (3):** *The following maps or drawings:*

**6.201 (3a):** *A map showing the stream and channel, the designated floodplain natural hazard area surrounding the channel, the area to be occupied or affected, in terms of altered stormwater runoff flows, by the proposed development and all available flood elevation studies, water surface elevations and base flood elevations.*

See attached in Exhibit I for the Site Application figures, maps and Exhibit H for 60% Plans for all existing and proposed elevations, structures, and construction activity as it relates to surrounding stream channels and floodplains. No alterations to the surrounding stream channels, floodplains or stormwater runoff flows are anticipated as a result of the proposed project.

**6.201 (3b):** *A map with surface view showing elevations or contours of the ground, pertinent structures, fill or storage elevations, size location and spatial arrangement of all proposed and existing structures on the site, location and elevation of streets, water supply systems, sanitary facilities and soil types.*

See attached in Exhibit I for the Site Application and Exhibit H for Construction Drawings for all existing and proposed elevations, structures, etc.

**6.201 (3c):** *Drawings showing the profile of the bottom of the channel at the thalweg and the water surface profiles described in such Paragraph a., above. The elevations of fill and structures must be shown. The applicant shall submit the elevation (in relation to mean sea level) of the lowest flood, including the basement, of the structure and, where the lowest flood is below grade on one (1) or more sides, the elevation of the flood immediately above.*

See attached in Exhibit I for the Site Application and Exhibit H for Construction Drawings for all existing and proposed elevations, structures and etc.

**6.201 (4):** *The applicant shall submit evidence that the applicant has made adequate coordination with upstream, downstream, or adjacent persons or communities and organizations that might be adversely affected by any development, fill, encroachment or alteration or relocation of a watercourse, including but not limited to, the Fountain Creek Watershed, Flood Control, and Greenway District.*

No alterations to a watercourse are anticipated as a result of the proposed project. The proposed project does include work inside the 100-year flood zone for the decommissioning and demolition of the existing wastewater treatment lagoon. No alterations to the floodplain are anticipated from the lagoon decommissioning as the restoration plan is to include the removal of all existing biosolids from the lagoon and the area of the lagoon is to be restored to match the existing grade around it so that the topography of the floodplain is restored to its natural condition to the best extent possible. All Best Management Practices for erosion and sediment control will be strictly followed. No impacts to the hydraulic capacity of the surrounding floodplain are anticipated as a result of the existing wastewater lagoon decommissioning.

#### **SECTION 6.202 (1) MAP REQUIREMENTS**

**6.202 (1):** *Verification shall be provided identifying the source of the topography and the date it was provided.*

Topographic survey was conducted by Interstate Survey Group out of Arvada, CO. The topographic survey was based on the Colorado State Plane Coordinate System, NAD83 grid and Vertical datum will be NAVD88. The survey was completed in January 2022.

**6.202 (2):** *All maps required to be submitted with a permit application shall be of a scale sufficiently detailed to allow the Development Services Director and/or the Permit authority to determine whether the proposed development and the topographic features of the land meet the requirements of these regulations. In no event shall the scale of these maps be less than one (1) inch equaling one hundred (100) feet.*

See attached in Exhibit I for the Site Application, Exhibit H for Construction Drawings.

**6.202 (3):** *All required maps shall show existing topographic contours at no greater than two (2) intervals.*

See attached in Exhibit I for the Site Application, Exhibit H for Construction Drawings.

**6.202 (4):** *All maps prepared by private contractors or consultants shall meet the following standards of accuracy: Ninety (90) percent of the contour lines must be within one-half (1/2) contour interval and the remaining contour lines must be within one (1) contour interval.*

See attached in Exhibit I for the Site Applications, Exhibit H for Construction Drawings.

**6.202 (5):** *All maps submitted by an applicant seeking a permit to develop a specific site shall show existing (dash line) and finished (solid line) elevation contours of the site at an interval of no greater than one (1) foot within a designated flood hazard area.*

See attached in Exhibit I for the Site Application, Exhibit H for Construction Drawings.